

professional summary

Highly-skilled software development professional bringing more than **5 years** industry experience in software design and development. Possesses strong knowledge of **web development, data-driven applications, and RESTful web services**. Familiar with **Agile** development methods including Scrum and Kanban. Quickly masters new software packages and hardware technologies. Enjoys building Wordpress sites and Ruby on Rails applications for clients and in peronal time. A portfolio of these sites and apps can be viewed at www.tylerbo.com

skills

Programming Languages

Java, C#, C, C++, JavaScript, Ruby, PHP, Python, SQL

IDEs

Eclipse, IntelliJ, Visual Studio

Technologies/Frameworks

Rails, Rspec, JQuery, Wordpress, Silverlight, Angular.js, Quartz, Maven, Dropwizard, RESTful Web Services, SQL, Couchbase NoSQL, AWS, Junit Testing, SQL Server Reporting Services, Microsoft SQL Server, MySQL

work history

Sr. Software Engineer – Raytheon Missile Systems - Tucson, AZ - Oct 2016 – Present

- Derived, gathered, and documented requirements for test equipment software.
- Assigned to engineer software for systems test equipment.

Software Developer – Amadeus Revenue Integrity - Tucson, AZ - Sep 2014 – March 2016

- Built, tested, and deployed a scalable, highly available REST service in Java which handles thousands of transactions per second in production.
- Added and tested high demand features and infrastructure to existing Java and APL code.
- Contributed to several web applications including a single sign-on service using OpenID and Angular.js.
- Wrote back-end Java API used to move data to and from Couchbase server.
- Followed Agile Scrum methodology including backlog grooming, sizing, and sprint planning.

Microcode Programmer – IBM - Tucson, AZ - Apr 2013 – Sep 2014

- Oversaw running, improving and automating regression testing of new C code.
- Debugged and improved a Perl-based utility which analyzes error logs and alerts users.
- Reviewed and contributed to new bug fixes of C micro-code.

Activities /Support Tools Programmer – Imagine Learning - Provo, UT - Jul 2011 – Apr 2013

- Increased visibility to product usage data by creating real-time dashboards with SQL, C#, and JavaScript.
- Created custom utilities in Java and C# to improve productivity of support personnel.
- Maintained and debugged back-end functionality for large Microsoft Silverlight applications.

Teaching Assistant

(Java Data Structures and Algorithms) – BYU Department of Computer Science - Provo, UT - Jul 2011 – Apr 2013

- Provided one-on-one help to students of two programming courses.
- Taught programming concepts to large groups in weekly help sessions.

Software Development Engineer Intern – Microsoft – Redmond, WA – Jun 2010 – Aug 2010

- Presented innovative ideas and designs to large groups of developers and program managers.
- Contributed to the ASP.net codebase used in the automated deployment of prepared development environments on virtual machines.

education

BS: Computer Science – Brigham Young University - Provo, UT - 2012

- 3.30 GPA
- Minor in Music